



2013 Louisiana Environmental Education Symposium **SHORT COURSE DESCRIPTIONS**

The following *optional* Short Course sessions are being offered on **Friday, February 22, 2013** in conjunction with the 2013 conference. Short Course participants must also register for the Environmental Education Symposium and pay conference registration fees, in addition to the nominal Short Course fee listed below.

Preregistration is required.

Space is limited!

Participants will be notified via e-mail.

Questions? Contact Venise Ortego at vortego@wlf.la.gov or (337) 948-0255.



Innovative Designs & Practices Paving the Way to Sustainable Success Stores TOUR

Facilitators: Charles Allen, Ph.D., Author of "Edible Plants of the Gulf South"
Edward Cazayoux, Ph.D., Architect specializing in climate responsive architecture
Katy Martin, Civil Engineer
Trish Ransom, Artist specializing in repurposing

Grade Level: General

Location: Meet at Baton Rouge Marriott

Time: 8:00 AM–4:30 PM

Fee: \$10; lunch & transportation provided

Travel to the St. Landry Parish Visitor Information Center, which serves as an introduction to sustainable architecture and living closer to the land. Completed in 2011, you'll hear first hand from architects, artists, and native plant experts on the utilization of renewable energy sources, routing of rainwater, recycling, and demonstration of local ecosystems. Then you will also see how trash is literally being turned into treasure – bio compressed natural gas (CNG) to be exact, at the St. Landry Parish Landfill. This is one of only two such systems in the entire country! The resulting BioCNG is used to fuel vehicles operated by our Sheriff's Department. Then enjoy a mini-workshop creating art out of debris!

Conservation Education Featuring WET, WILD, & Learning Tree WORKSHOP

Facilitators: Wade Dubea, State Forester
Whitney Wallace, INE Program Director

Grade Level: General

Location: Hilltop Arboretum

Time: 8:00 AM–3:30 PM

Fee: \$10; lunch provided

Here is an opportunity to participate in a single workshop and gain hands-on experience and resources from THREE exceptional programs. Workshop attendees will participate in selected activities from each program featuring water quality, wildlife, and forestry. Activities are available for all grade levels, subject areas, and learning styles. Upon completion of the workshop, activity guides and resource materials will be provided to participants. Come to beautiful Hilltop Arboretum to share, learn, and experience nature as we promote teaching "how to think and not what to think" about our environment.



Rainwater Harvesting – Water Conservation and Water Quality WORKSHOP

Facilitator: Dotty Woodson, Extension Program Specialist-Water Resources, Texas A&M AgriLife

Grade Level: General

Location: Bluebonnet Swamp Nature Center

Time: 8:00 AM–3:30 PM

Fee: \$10; lunch provided

Come learn about the ins and outs of water conservation! And make your own rain barrel to take back to your classroom! Rainwater harvesting makes use of a valuable resource, provides a water source when groundwater or surface waters are unacceptable or unavailable, can augment existing water supplies, reduces the load into stormwater drains, reduces non-point source pollution, reduces the summer water peak demand, delays expansion of existing water treatment plants, and reduces water bills. A 2,000 square foot building can collect 1200 gallons in a 1 inch rain! Limited to 15 participants, each who will make a working rain barrel. Participants need to be able to transport their rain barrel back to their classroom!

This workshop is sponsored by: Louisiana Environmental Education Commission

Native, Exotic, Invasive...Oh My! WORKSHOP

Facilitator: *Dianne Lindstedt, Marine Education Coordinator, Louisiana Sea Grant*
Grade Level: *5-8*
Location: *Bluebonnet Swamp Nature Center*
Time: *8:00 AM–3:30 PM*
Fee: *\$10; lunch provided*

Engage your students in a real ecological problem through aquatic invasive species. Learn about their ecological and economic impacts, how they spread, and what makes them tick. Practice activities that can be used in your classroom and consider developing a stewardship project with your students. Participants will receive classroom activities and lessons with GLEs.



“Give a Whoop!” Whooping Crane WORKSHOP

Facilitators: *Heather Egger, University of New Orleans*
Amy LeGaux, Audubon Nature Institute
Sue Ellen Lyons, Holy Cross High School
Carrie Salyers, LDWF Endangered Species Education Outreach
Grade Level: *5-12*
Location: *Waddill Outdoor Education Center*
Time: *8:00 AM–3:30 PM*
Fee: *\$10; lunch provided*

Participants will learn about the complexities and challenges of the Louisiana whooping crane reintroduction program, receive how-to demonstrations on classroom lesson activities, and engage in field work related to animal tracking using GPS units. With only about 500 whoopers in the world and 28 currently in Louisiana, this critical program needs your help in getting the word out to students and adults. Workshop participants will receive a \$75 stipend, a handheld GPS unit for classroom use, a lesson series of ten engaging, GLE-aligned lessons covering topics such as taxonomy, bird reproduction, ecosystems, adaptation, and endangered species, and other related items, upon completion of the workshop.

This workshop is sponsored by: CHEVRON and Louisiana Wildlife & Fisheries Foundation